### Jet Engines

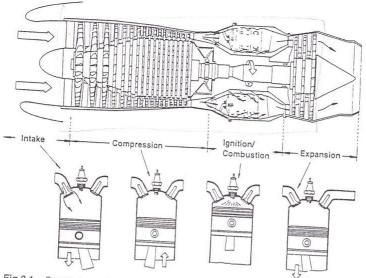


Fig 2.1 Comparison of working cycles for turbojet engine and 4-stroke piston engine

## Jet Engines

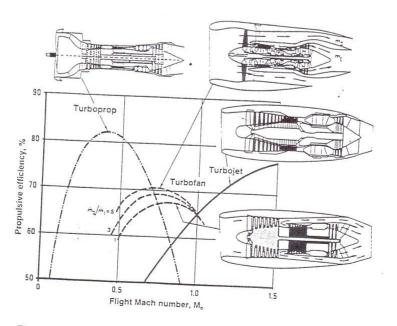
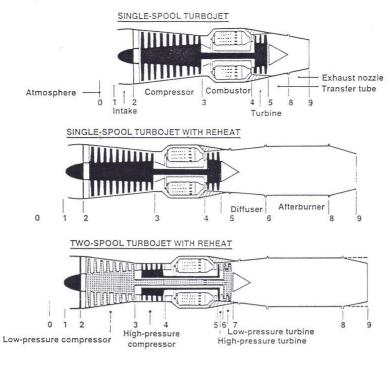
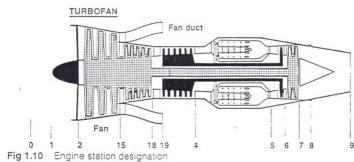


Fig 1.4 Propulsive efficiency characteristics of turboprop, turbofan and turbojet engines

#### Jet Engines





#### Jet Engines

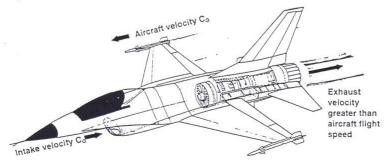
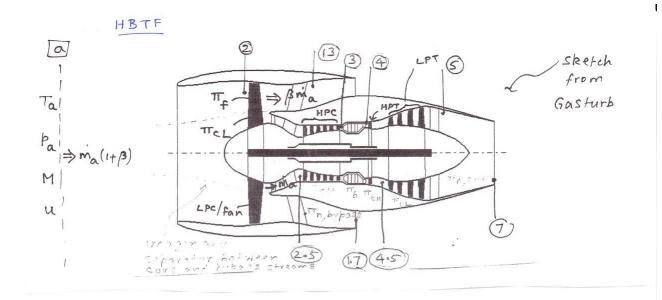
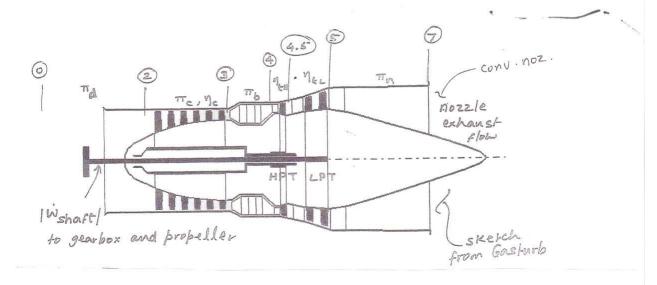


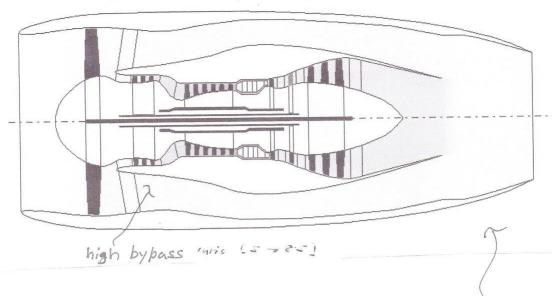
Fig 2.3 Thrust produced by a jet exiting at high velocity from a nozzle



# Turboprop



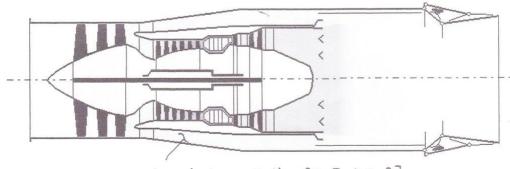
# W/O Afterburner, transport application



sketch from

Gasturb

W Afterourser, high-performance application



low bypass ratio [0.3 -> 0.8]



